

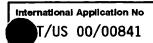
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 18367/9547	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.		
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/US 00/00841	13/01/2000	25/01/1999	
Applicant BRIGGS & STRATTON CORPORA	TION et al.		
according to Article 18. A copy is being tra		thority and is transmitted to the applicant	
	s of a total ofs heets. y a copy of each prior art document cited in this	s report.	
a. With regard to the language, the	international search was carried out on the balless otherwise indicated under this item.	asis of the international application in the	
the international search w Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of	the international application furnished to this	
b. With regard to any nucleotide an was carried out on the basis of the contained in the internation	e sequence listing : onal application in written form.	international application, the international search	
	emational application in computer readable for this Authority in written form.	m.	
	o this Authority in written form. This Authority in computer readble form.		
the statement that the sub	bsequently furnished written sequence listing of as filed has been furnished.	does not go beyond the disclosure in the	
_		is identical to the written sequence listing has been	
5. E 1	and unsearchable (See Box I).		
3. Unity of invention is laci	king (see Box II).		
4. With regard to the title,			
the text is approved as su			
the text has been establish	shed by this Authority to read as follows:		
5. With regard to the abstract,			
the text is approved as sul	ibmitted by the applicant.		
the text has been establish		ity as it appears in Box III. The applicant may, port, submit comments to this Authority.	
6. The figure of the drawings to be publi		1	
as suggested by the applic		None of the figures.	
because the applicant faile		_	
because this figure better	characterizes the invention.		

International application No.
PCT/US 00/00841

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

A four - stroke internal combustion engine is (20) provided. There is provided within an engine housing (28) an oil reservoir (126) and a valve chamber (156) which independently communicate with a crank chamber (124). A strategically placed divider (116) and passageway, located within the engine housing (28), appropriately direct lubricant within the engine housing (28) so that the internal cavity of the engine is lubricated during use in various operating attitudes, and so that the fluid flows to and is held in the proper chambers of the engine housing during storage. There is also provided a breather arrangement for an internal combustion engine (20) which includes a cam shaft (98) having a hollow passageway in communication with the crank chamber (124) and the air intake system of the engine. There is also provided an engine housing which can be utilized for engines having different horse power ratings. There is also provided a crankshaft bearing assembly (68,70) which prevents damage to the bearing upon insertion of the crankshaft (80) into the crank chamber (124).



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F02B63/02 F01M11/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

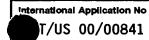
Minimum documentation searched (classification system followed by classification symbols) IPC 7 - F02B - F01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 779 412 A (HONDA MOTOR CO LTD) 18 June 1997 (1997-06-18) figure 1 abstract figures 18,19 page 8, line 4 - line 37	1-40
Α	WO 99 02824 A (RYOBI NORTH AMERICA INC) 21 January 1999 (1999-01-21) figure 1 abstract claims 1-19	1,39,40
A	US 1 878 224 A (PACKARD) 20 September 1932 (1932-09-20) figures 1-3 page 1, line 61 - line 104	1

Y Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubte on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family	
Date of the actual completion of the international search	Date of mailing of the International search report	
13 April 2000	20/04/2000	
Name and mailing address of the ISA	Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Wassenaar, G	



	tinuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
	DE 41 42 875 A (RYOBI LTD) 2 July 1992 (1992-07-02) figures 2,3 abstract column 8, line 9 - line 32	1-5,39, 40	

1

internation on patent family members

02-07-1992

T/US 00/00841 Patent family member(s) Publication Patent document **Publication** cited in search report date date EP 0779412 Α 18-06-1997 JP 9170417 A 30-06-1997 JΡ 9170418 A 30-06-1997 JP 30-06-1997 9170420 A JP 9177528 A 08-07-1997 CN 27-08-1997 1157877 A US 07-09-1999 5947075 A WO 9902824 A 21-01-1999 ΑU 3721197 A 08-02-1999 NONE US 1878224 Α 20-09-1932

US

5243937 A

International Application No

14-09-1993

DE 4142875

Α